

Title (en)
POLARIZATION STATE DETECTOR, OPTICAL TRANSMITTER, AND OPTICAL RECEIVER

Title (de)
POLARISATIONSZUSTANDSDETEKTOR, OPTISCHER SENDER UND OPTISCHER EMPFÄNGER

Title (fr)
DÉTECTEUR D'ÉTAT DE POLARISATION, ÉMETTEUR OPTIQUE ET RÉCEPTEUR OPTIQUE

Publication
EP 2924890 B1 20190522 (EN)

Application
EP 15159911 A 20150319

Priority
JP 2014063951 A 20140326

Abstract (en)
[origin: EP2924890A1] An optical transmitter transmits optical signal including a first signal and a second signal. The second signal is subjected to change in a polarization state relative to a polarization state of the first signal. An optical receiver analyzes a reception characteristic of the second signal and detects, based on the analyzed result, a polarization state of the first signal indicative of a higher signal quality than that of the second signal.

IPC 8 full level
H04B 10/077 (2013.01); **H04B 10/2507** (2013.01)

CPC (source: EP US)
H04B 10/0779 (2013.01 - EP US); **H04B 10/2572** (2013.01 - EP US); **H04B 10/614** (2013.01 - EP US); **H04B 10/6162** (2013.01 - EP US);
H04J 14/06 (2013.01 - EP US)

Citation (examination)
US 2010098420 A1 20100422 - IBRAGIMOV EDEM [US], et al

Cited by
EP4020844A1; CN109314579A; EP3447938A4; US10812188B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2924890 A1 20150930; EP 2924890 B1 20190522; JP 2015186230 A 20151022; JP 6303691 B2 20180404; US 10122489 B2 20181106;
US 2015280856 A1 20151001

DOCDB simple family (application)
EP 15159911 A 20150319; JP 2014063951 A 20140326; US 201514666527 A 20150324